



Country	Sub-Custodian	Relationship Type
Argentina	The Branch of Citibank, N.A. in the Republic of Argentina	Branch
Australia	Citigroup Pty. Limited	Subsidiary
Austria	Citibank, N.A., Milan Branch	Branch
Bahrain	Citibank, N.A., Bahrain Branch	Branch
Bangladesh	Citibank, N.A., Bangladesh Branch	Branch
Belgium	Citibank Europe plc, UK Branch	Subsidiary
Benin	Standard Chartered Bank Cote d'Ivoire	Agent
Bermuda	The Hong Kong & Shanghai Banking Corporation Limited acting through its agent, HSBC Bank Bermuda Limited	Agent
Bosnia-Herzegovina: The Federation of Bosnia and Herzegovina (Sarajevo)	UniCredit Bank d.d.	Agent
Bosnia-Herzegovina: The Republika of Srpska (Banja Luka)	UniCredit Bank d.d.	Agent
Botswana	Standard Chartered Bank of Botswana Limited	Agent
Brazil	Citibank, N.A., Brazilian Branch	Branch
Bulgaria	Citibank Europe plc, Bulgaria Branch	Subsidiary
Burkina Faso	Standard Chartered Bank Cote d'Ivoire	Agent
Canada	Citibank Canada	Subsidiary
Chile	Banco de Chile	Affiliate
China	Citibank, N.A., Hong Kong Branch (For China B shares)	Branch
China	Citibank (China) Co., Limited (For China A shares)	Subsidiary
Colombia	Cititrust Colombia S.A. Sociedad Fiduciaria	Subsidiary
Costa Rica	Banco Nacional de Costa Rica	Agent
Croatia	Privredna Banka Zagreb d.d.	Agent
Cyprus	Citibank Europe plc, Greece Branch	Subsidiary
Czech Republic	Citibank Europe plc, organizacni slozka	Subsidiary
Denmark	Nordea Bank Danmark A/S	Agent
Egypt	Citibank, N.A., Egypt	Branch
Estonia	Swedbank AS	Agent
Finland	Nordea Bank Finland Plc.	Agent
France	Citibank Europe plc, UK Branch	Subsidiary
Georgia	JSC Bank of Georgia	Agent

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Germany	Citigroup Global Markets Deutschland AG	Subsidiary
Ghana	Standard Chartered Bank of Ghana Limited	Agent
Greece	Citibank Europe plc, Greece Branch	Subsidiary
Guinea-Bissau	Standard Chartered Bank Cote d'Ivoire	Agent
Hong Kong	Citibank, N.A., Hong Kong Branch	Branch
Hungary	Citibank Europe plc, Hungarian Branch Office	Subsidiary
* Iceland	Not Applicable. Citibank is a direct member of Clearstream Banking, which is an ICSD.	N/A
India	Citibank, N.A., Mumbai Branch	Branch
Indonesia	Citibank, N.A., Jakarta Branch	Branch
Ireland	Citibank, N.A., London Branch	Branch
Israel	Citibank, N.A., Israel Branch	Branch
Italy	Citibank, N.A., Milan Branch	Branch
Ivory Coast	Standard Chartered Bank Cote d'Ivoire	Agent
Jamaica	Scotia Investments Jamaica Limited	Agent
Japan	Citibank Japan Limited	Subsidiary
Jordan	Standard Chartered Bank, Jordan Branch	Agent
Kazakhstan	Citibank Kazakhstan JSC	Subsidiary
Kenya	Standard Chartered Bank Kenya Limited	Agent
Korea	Citibank Korea Inc.	Subsidiary
Kuwait	Citibank, N.A., Kuwait Branch	Branch
Latvia	Swedbank AS acting through its agent, Swedbank AS	Agent
Lebanon	The Hong Kong & Shanghai Banking Corporation Limited acting through its agent, HSBC Bank Middle East Limited	Agent
Lithuania	Swedbank AS acting through its agent, "Swedbank" AB	Agent
Macedonia (Republic of Macedonia)	Raiffeisen Bank International AG	Agent
Malaysia	Citibank Berhad	Subsidiary
Mali	Standard Chartered Bank Cote d'Ivoire	Agent
*Malta	Not Applicable. Citibank is a direct member of Clearstream Banking, which is an ICSD.	N/A
Mauritius	The Hong Kong & Shanghai Banking Corporation Limited	Agent
Mexico	Banco Nacional de Mexico, S.A.	Citigroup Subsidiary
Morocco	Citibank Maghreb S.A.	Subsidiary
Namibia	Standard Bank of South Africa Limited acting through its agent, Standard Bank Namibia Limited	Agent
Netherlands	Citibank Europe plc, UK Branch	Subsidiary
New Zealand	Citibank, N.A., New Zealand Branch	Branch
Niger	Standard Chartered Bank Cote d'Ivoire	Agent

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Nigeria	Citibank Nigeria Limited	Subsidiary
Norway	DNB Bank ASA	Agent
Oman	The Hong Kong & Shanghai Banking Corporation Limited acting through its agent, HSBC Bank Oman S.A.O.G.	Agent
Pakistan	Citibank, N.A., Karachi Branch	Branch
Panama	Citibank, N.A., Panama Branch	Branch
Peru	Citibank del Peru S.A	Subsidiary
Philippines	Citibank, N.A., Manila Branch	Branch
Poland	Bank Handlowy w Warszawie SA	Subsidiary
Portugal	Citibank Europe plc, sucursal em Portugal	Subsidiary
Qatar	The Hong Kong & Shanghai Banking Corporation Limited acting through its agent, HSBC Bank Middle East Limited	Agent
Romania	Citibank Europe plc, Dublin - Romania Branch	Subsidiary
Russia	AO Citibank	Subsidiary
Saudi Arabia	The Hong Kong & Shanghai Banking Corporation Limited acting through its agent, HSBC Saudi Arabia Ltd.	Agent
Senegal	Standard Chartered Bank Cote d'Ivoire	Agent
Serbia	UniCredit Bank Srbija a.d.	Agent
Singapore	Citibank, N.A., Singapore Branch	Branch
Slovak Republic	Citibank Europe plc, pobočka zahraničnej banky	Subsidiary
Slovenia	UniCredit Banka Slovenija d.d.. Ljubljana.	Agent
South Africa	Citibank, N.A., South Africa	Branch
Spain	Citibank Europe plc, sucursal en Espana	Subsidiary
Sri Lanka	Citibank, N.A., Colombo Branch	Branch
Sweden	Citibank Europe plc, Sweden Branch	Subsidiary
Switzerland	Citibank, N.A., London Branch	Branch
Taiwan	Citibank Taiwan Limited	Subsidiary
Tanzania	Standard Bank of South Africa Ltd. acting through its affiliate, Stanbic Bank Tanzania Ltd.	Agent
Thailand	Citibank, N.A., Bangkok Branch	Branch
Togo	Standard Chartered Bank Cote d'Ivoire	Agent
Tunisia	Union Internationale de Banques	Agent
Turkey	Citibank, A.S.	Subsidiary
Uganda	Standard Chartered Bank of Uganda Limited	Agent
Ukraine	PJSC "Citibank"	Subsidiary
United Arab Emirates, ADX	Citibank, N.A., UAE	Branch
United Arab Emirates, DFM	Citibank, N.A., UAE	Branch
United Arab Emirates, NASDAQ Dubai	Citibank, N.A., UAE	Branch

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United Kingdom	Citibank, N.A., London Branch	Branch
United States	Citibank, N.A., New York Offices	Branch
Uruguay	Banco Itau Uruguay S.A.	Agent
Venezuela	Citibank, N.A., Venezuela Branch	Branch
Vietnam	Citibank, N.A., Hanoi Branch	Branch
Zambia	Standard Chartered Bank of Zambia Plc	Agent
Zimbabwe	Standard Bank of South Africa Ltd. acting through its affiliate Stanbic Bank Zimbabwe Ltd.	Agent

* Euroclear Bank s.a./n.v.	ICSD
* Clearstream Banking	ICSD

*Citibank, as global custodian, is a direct member of Euroclear Bank and Clearstream, which are ICSD's and not sub-custodians.